

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072622\
 Data File : VX030212.D
 Acq On : 26 Jul 2022 16:03
 Operator : JC/MD
 Sample : N3879-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EB-09-07212022

Quant Time: Jul 26 17:22:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 25 16:49:17 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

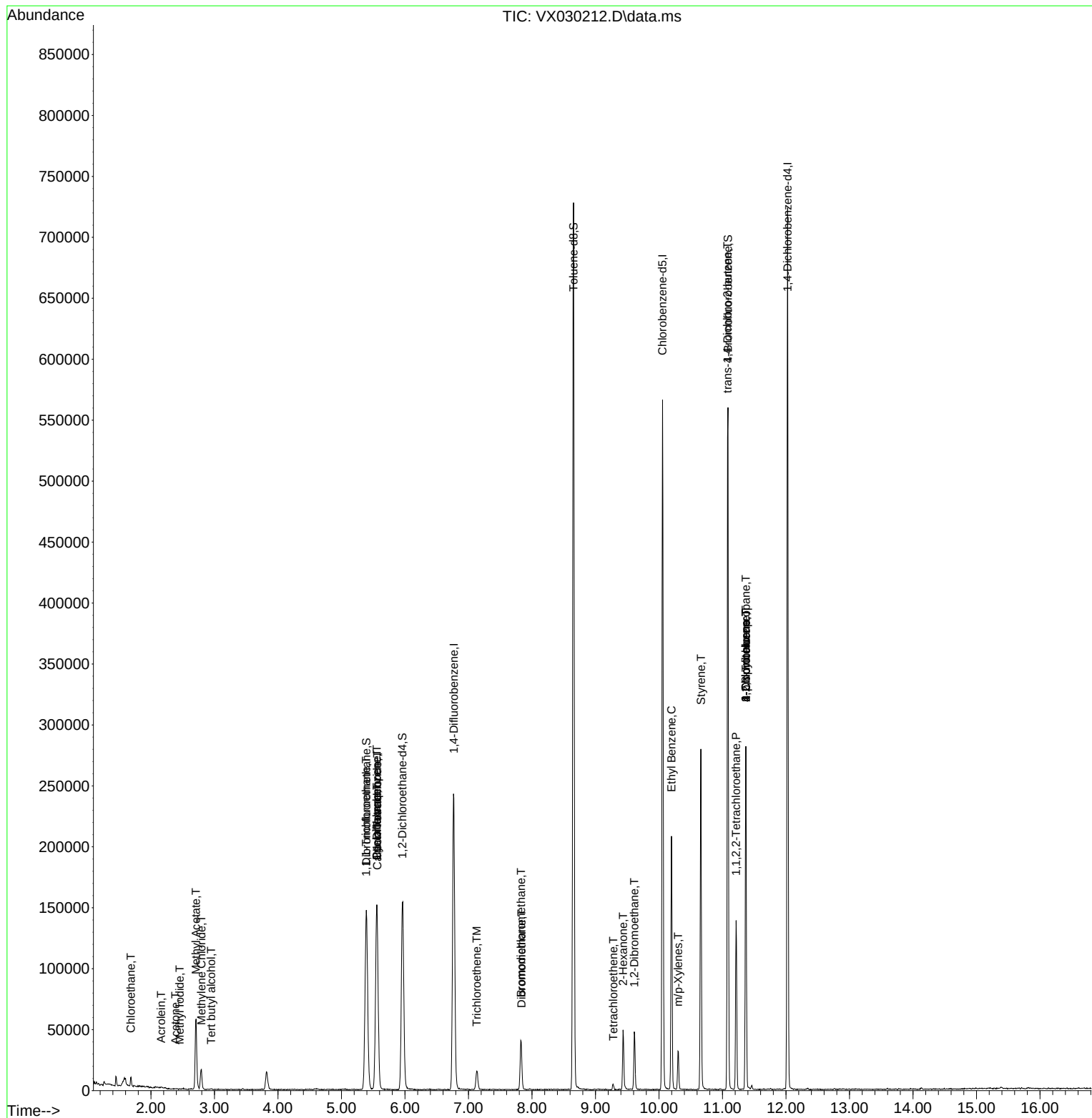
Internal Standards						
1) Pentafluorobenzene	5.556	168	140362	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	243240	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	244217	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	140999	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	147424	52.256	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.520%			
35) Dibromofluoromethane	5.391	113	115384	49.622	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.240%			
50) Toluene-d8	8.653	98	436386	48.461	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.920%			
62) 4-Bromofluorobenzene	11.085	95	155745	46.603	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.200%			
Target Compounds						Qvalue
5) Bromomethane	1.605	94	412	Below Cal	#	78
6) Chloroethane	1.685	64	4209	3.189	ug/l	93
10) Methyl Iodide	2.453	142	357	1.683	ug/l #	87
11) Tert butyl alcohol	2.947	59	285	0.414	ug/l #	83
13) Acrolein	2.160	56	75	0.443	ug/l #	14
16) Acetone	2.386	43	707	0.489	ug/l #	69
18) Methyl Acetate	2.709	43	70517	16.506	ug/l	95
20) Methylene Chloride	2.794	84	6946	0.284	ug/l	96
31) Cyclohexane	5.556	56	3412	0.833	ug/l #	6
32) 1,1,1-Trichloroethane	5.385	97	14882	4.065	ug/l	95
36) 1,1-Dichloropropene	5.556	75	11945	3.570	ug/l #	47
38) Carbon Tetrachloride	5.562	117	14707	4.708	ug/l #	19
44) Trichloroethene	7.129	130	6132	2.132	ug/l	93
46) Dibromomethane	7.836	93	923	0.483	ug/l #	5
47) Bromodichloromethane	7.830	83	26911	7.752	ug/l	97
59) 2-Hexanone	9.433	43	27801	7.472	ug/l	94
61) 1,2-Dibromoethane	9.610	107	26436	9.257	ug/l	99
64) Tetrachloroethene	9.281	164	830	0.316	ug/l	85
67) Ethyl Benzene	10.195	91	114929	11.382	ug/l	99
68) m/p-Xylenes	10.299	106	7248	1.613	ug/l	92
70) Styrene	10.659	104	102316	14.060	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.213	83	55700	13.825	ug/l	97
76) 1,2,3-Trichloropropane	11.366	75	3092	0.832	ug/l #	59
78) n-propylbenzene	11.366	91	119782	9.118	ug/l #	53
79) 2-Chlorotoluene	11.366	91	119782	14.438	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.079	75	77212	62.322	ug/l #	13
82) 4-Chlorotoluene	11.366	91	119782	13.215	ug/l	96

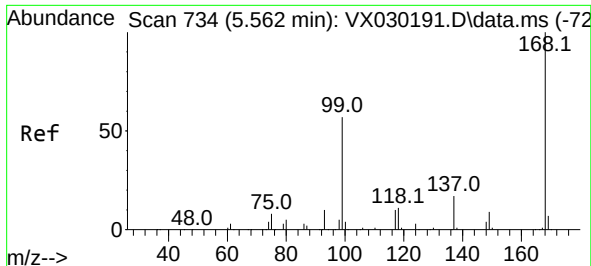
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072622\
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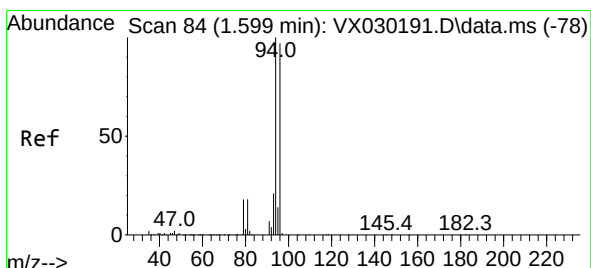
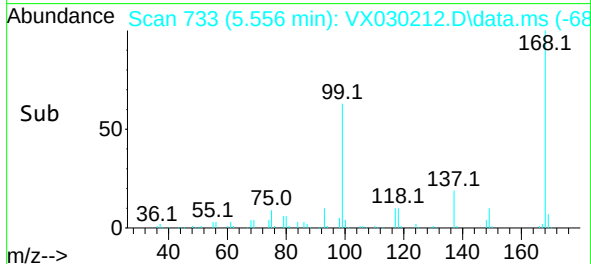
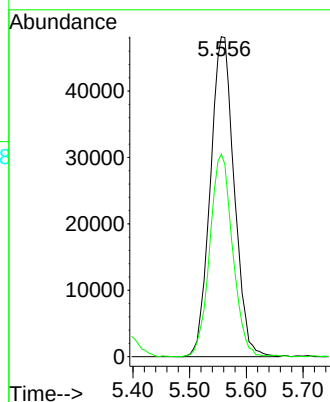
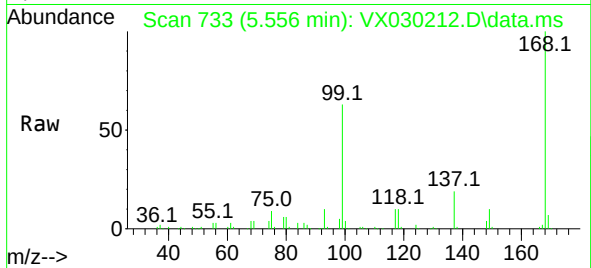




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX030212.D
Acq: 26 Jul 2022 16:03

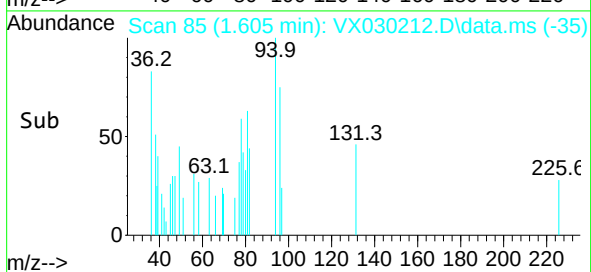
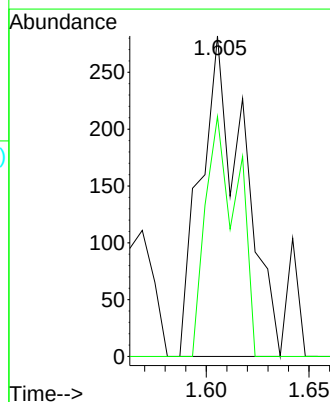
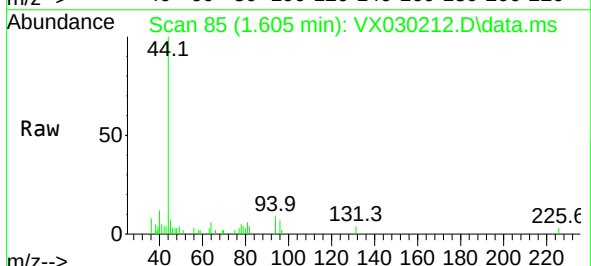
Instrument :
MSVOA_X
ClientSampleId :
EB-09-07212022

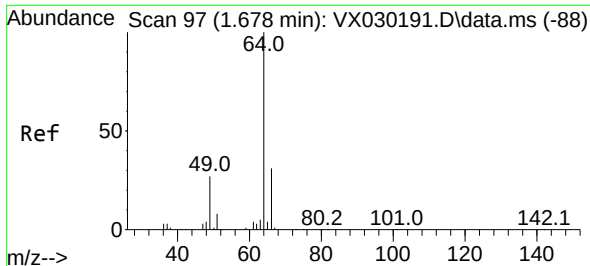
Tgt Ion:168 Resp: 140362
Ion Ratio Lower Upper
168 100
99 63.2 44.0 66.0



#5
Bromomethane
Concen: Below Cal
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX030212.D
Acq: 26 Jul 2022 16:03

Tgt Ion: 94 Resp: 412
Ion Ratio Lower Upper
94 100
96 74.8 76.9 115.3#

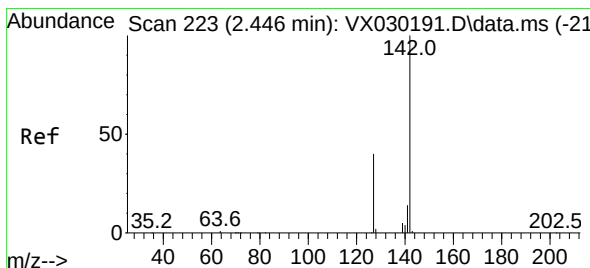
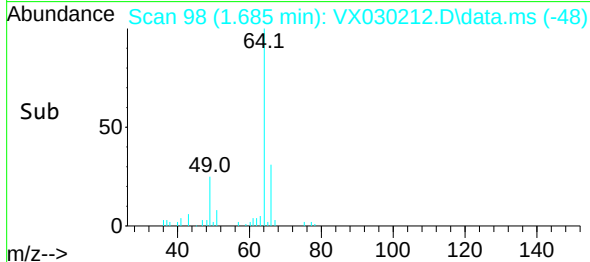
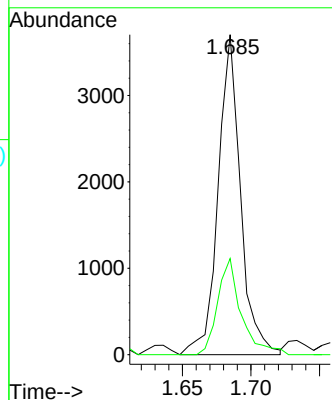
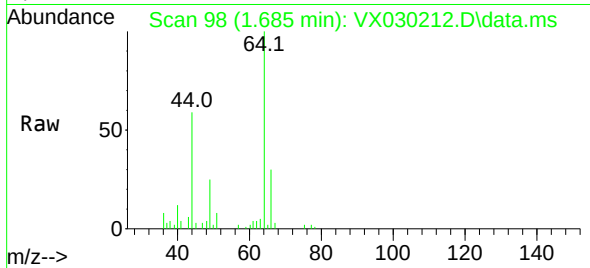




#6
Chloroethane
Concen: 3.189 ug/l
RT: 1.685 min Scan# 91
Delta R.T. 0.007 min
Lab File: VX030212.D
Acq: 26 Jul 2022 16:03

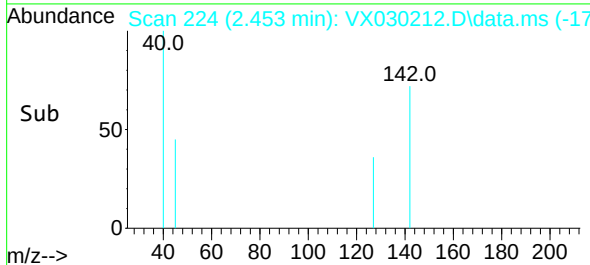
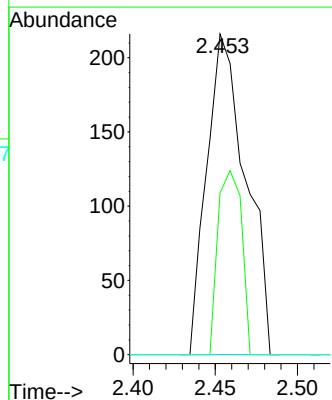
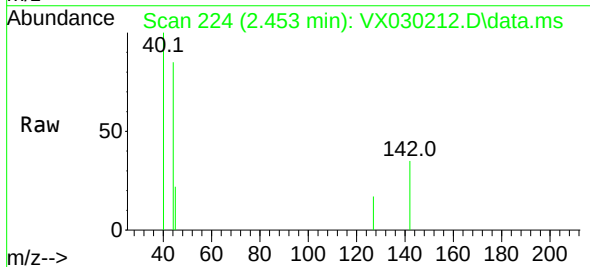
Instrument :
MSVOA_X
ClientSampleId :
EB-09-07212022

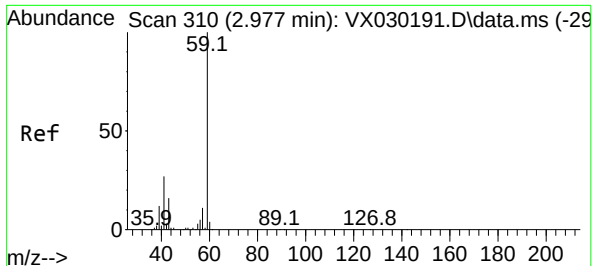
Tgt Ion: 64 Resp: 4209
Ion Ratio Lower Upper
64 100
66 30.0 27.2 40.8



#10
Methyl Iodide
Concen: 1.683 ug/l
RT: 2.453 min Scan# 224
Delta R.T. 0.007 min
Lab File: VX030212.D
Acq: 26 Jul 2022 16:03

Tgt Ion: 142 Resp: 357
Ion Ratio Lower Upper
142 100
127 34.7 30.2 45.2
141 0.0 11.3 16.9#

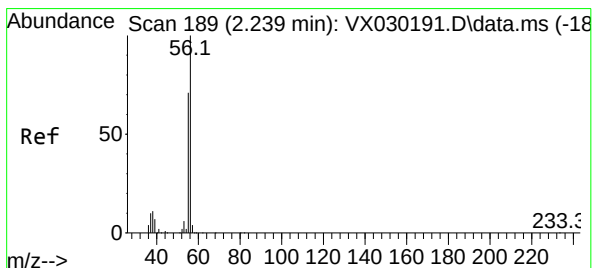
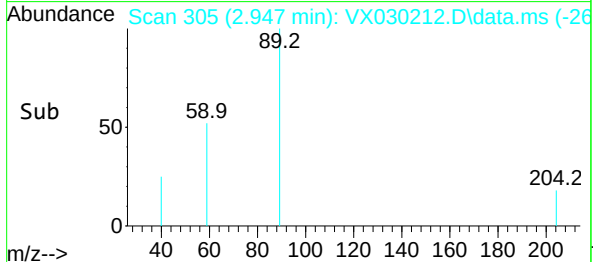
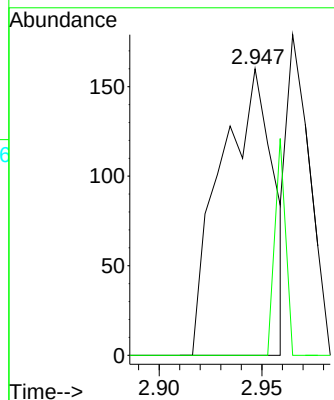
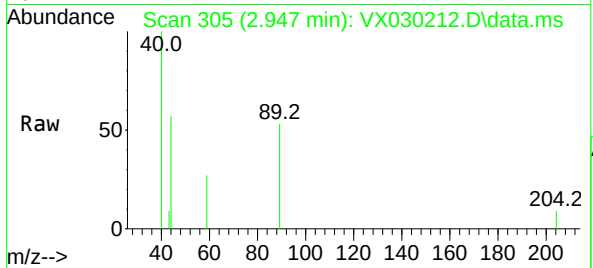




#11
Tert butyl alcohol
Concen: 0.414 ug/l
RT: 2.947 min Scan# 30
Delta R.T. -0.030 min
Lab File: VX030212.D
Acq: 26 Jul 2022 16:03

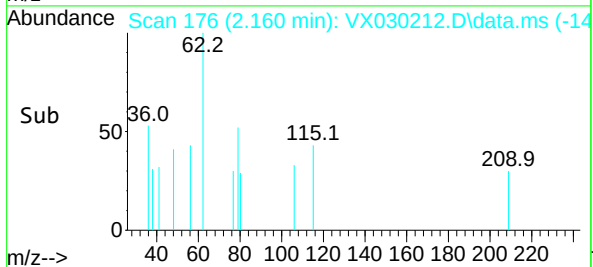
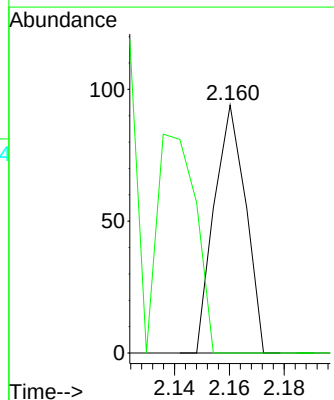
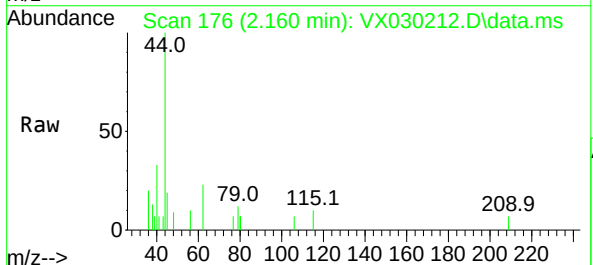
Instrument :
MSVOA_X
ClientSampleId :
EB-09-07212022

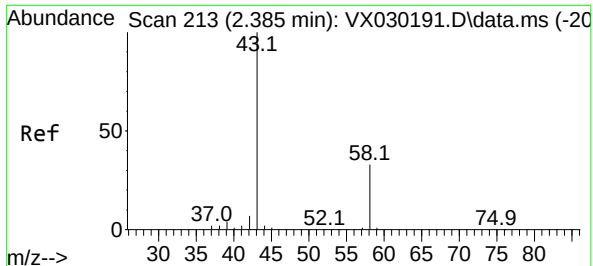
Tgt Ion: 59 Resp: 285
Ion Ratio Lower Upper
59 100
57 15.4 7.4 11.2#



#13
Acrolein
Concen: 0.443 ug/l
RT: 2.160 min Scan# 176
Delta R.T. -0.079 min
Lab File: VX030212.D
Acq: 26 Jul 2022 16:03

Tgt Ion: 56 Resp: 75
Ion Ratio Lower Upper
56 100
55 0.0 56.6 84.8#

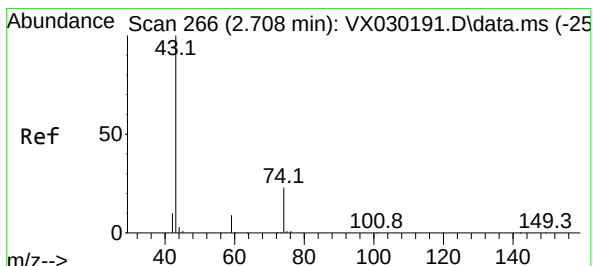
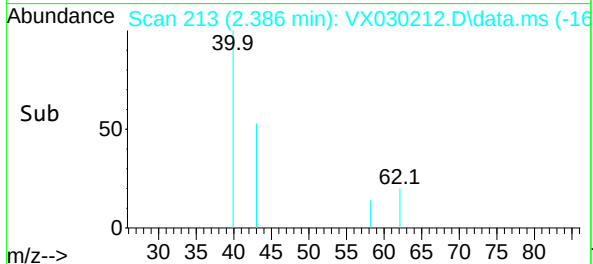
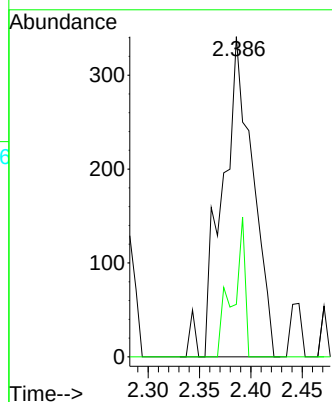
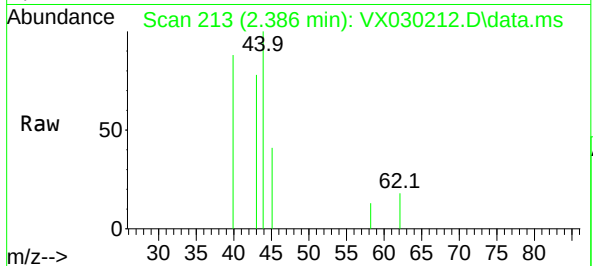




#16
Acetone
Concen: 0.489 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.001 min
Lab File: VX030212.D
Acq: 26 Jul 2022 16:03

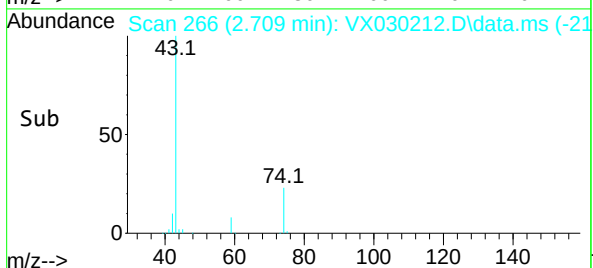
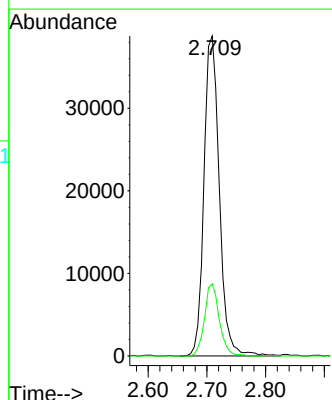
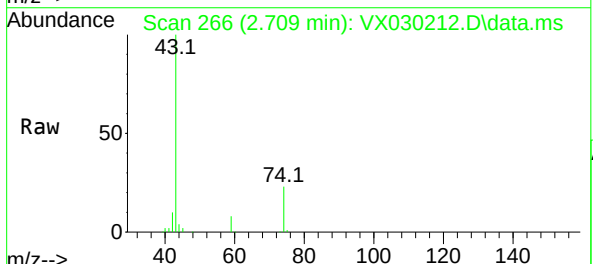
Instrument :
MSVOA_X
ClientSampleId :
EB-09-07212022

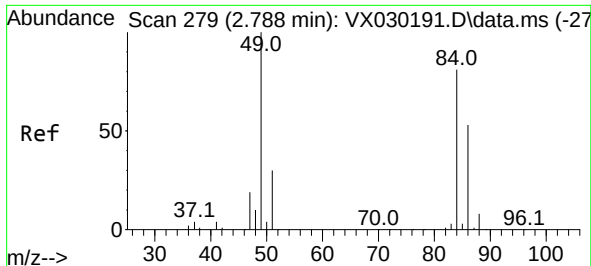
Tgt Ion: 43 Resp: 707
Ion Ratio Lower Upper
43 100
58 16.4 27.7 41.5#



#18
Methyl Acetate
Concen: 16.506 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.001 min
Lab File: VX030212.D
Acq: 26 Jul 2022 16:03

Tgt Ion: 43 Resp: 70517
Ion Ratio Lower Upper
43 100
74 21.7 19.4 29.2





#20

Methylene Chloride

Concen: 0.284 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX030212.D

Acq: 26 Jul 2022 16:03

Instrument :

MSVOA_X

ClientSampleId :

EB-09-07212022

Tgt Ion: 84 Resp: 6946

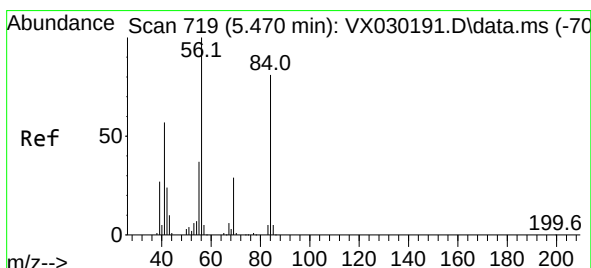
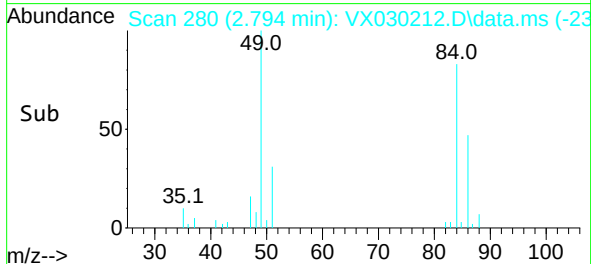
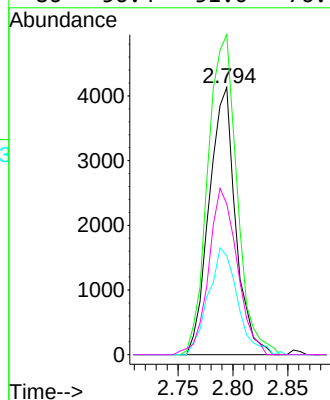
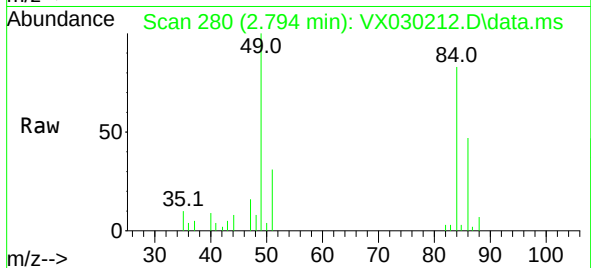
Ion Ratio Lower Upper

84 100

49 119.8 93.8 140.6

51 37.1 29.4 44.0

86 56.4 51.0 76.4



#31

Cyclohexane

Concen: 0.833 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX030212.D

Acq: 26 Jul 2022 16:03

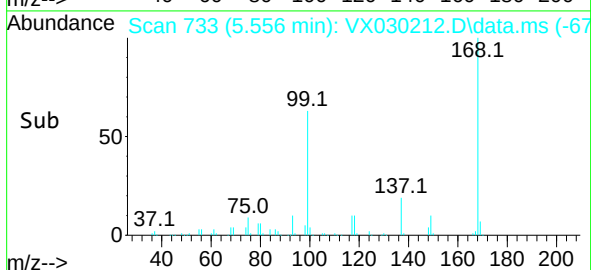
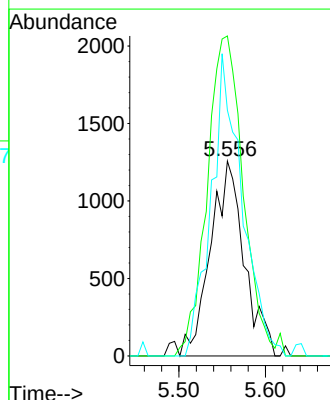
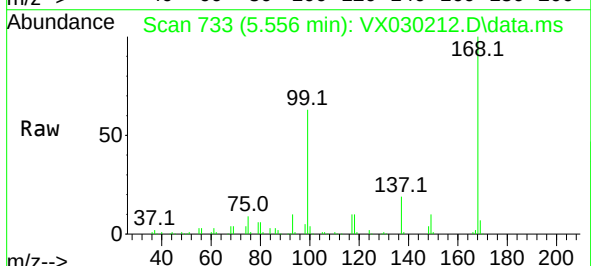
Tgt Ion: 56 Resp: 3412

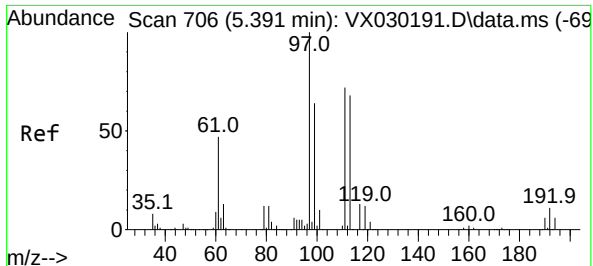
Ion Ratio Lower Upper

56 100

69 159.8 25.4 38.0#

84 126.1 68.9 103.3#

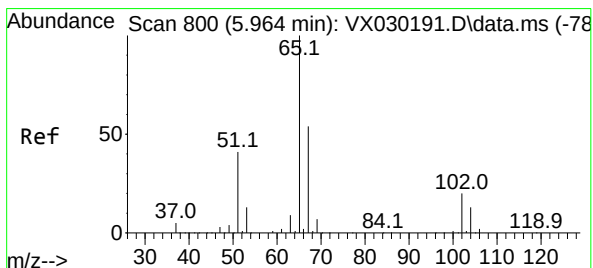
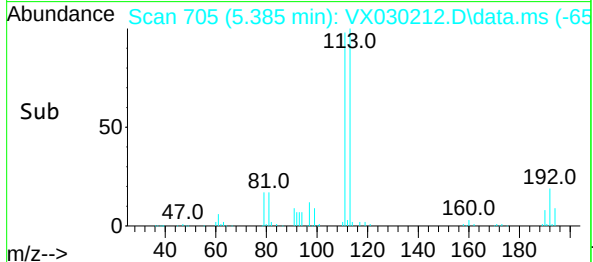
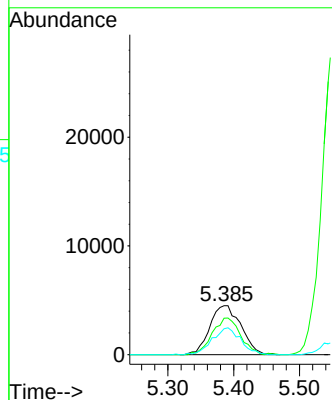
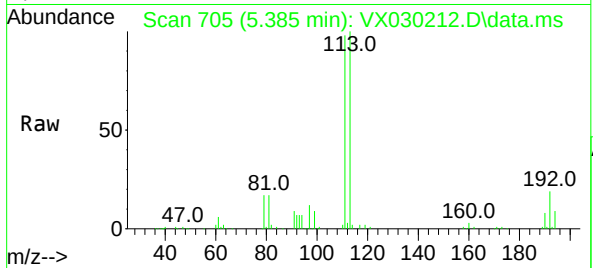




#32
1,1,1-Trichloroethane
Concen: 4.065 ug/l
RT: 5.385 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX030212.D
Acq: 26 Jul 2022 16:03

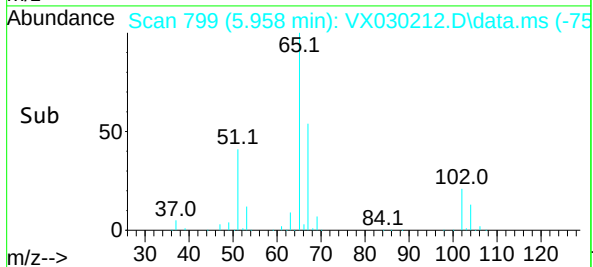
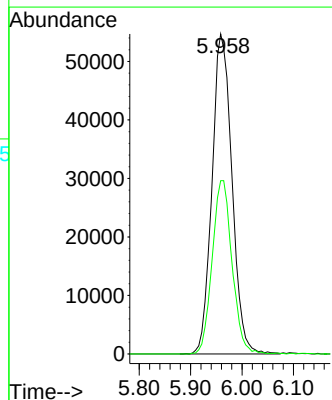
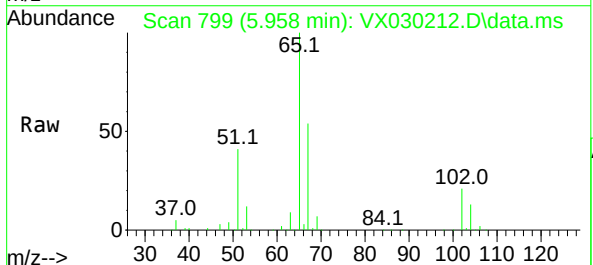
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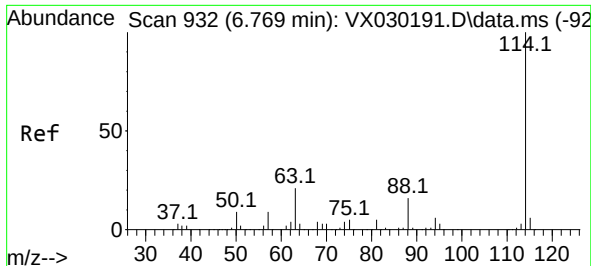
Tgt Ion: 97 Resp: 14882
Ion Ratio Lower Upper
97 100
99 67.3 51.4 77.0
61 49.5 35.8 53.8



#33
1,2-Dichloroethane-d4
Concen: 52.256 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX030212.D
Acq: 26 Jul 2022 16:03

Tgt Ion: 65 Resp: 147424
Ion Ratio Lower Upper
65 100
67 53.8 0.0 109.6

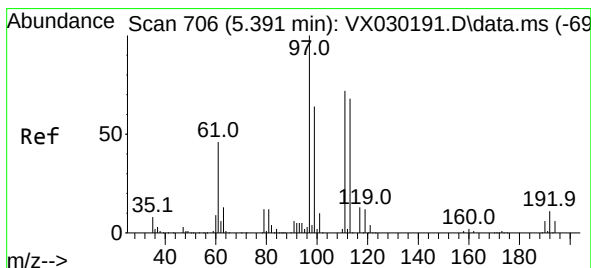
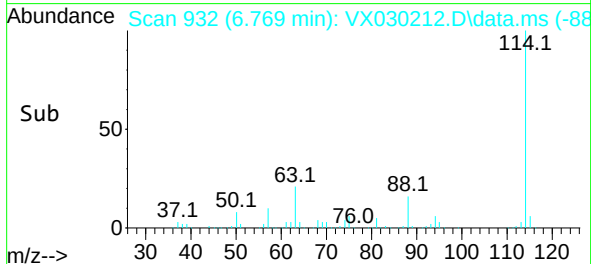
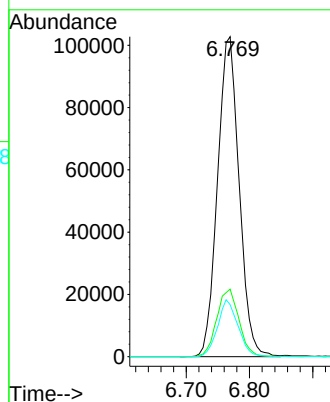
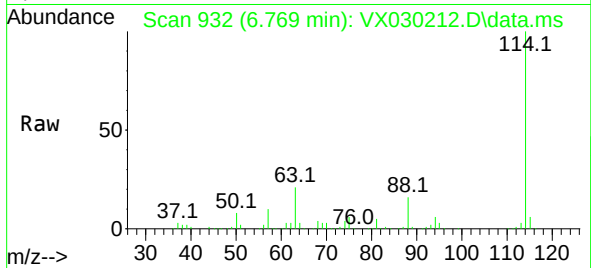




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX030212.D
Acq: 26 Jul 2022 16:03

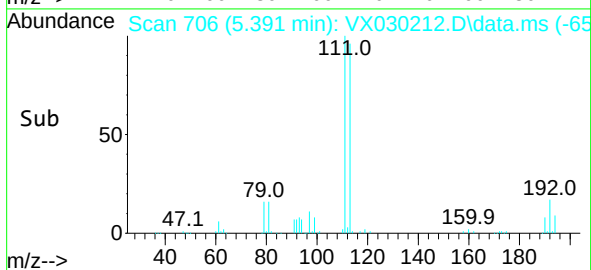
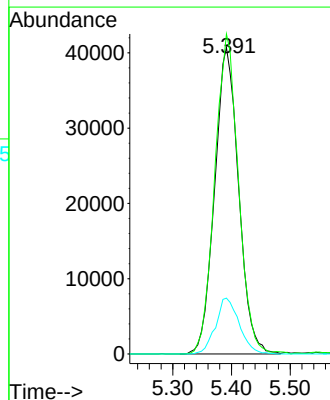
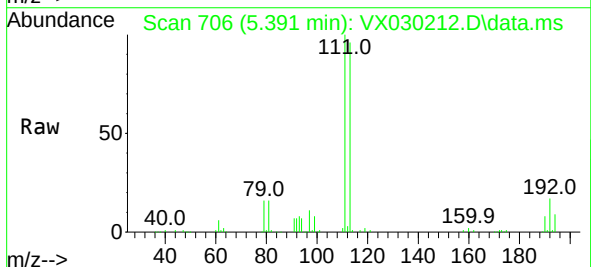
Instrument :
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EB-09-07212022

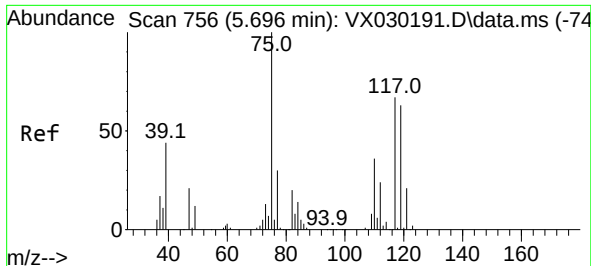
Tgt Ion:114 Resp: 243240
Ion Ratio Lower Upper
114 100
63 21.1 0.0 38.4
88 16.2 0.0 31.8



#35
Dibromofluoromethane
Concen: 49.622 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030212.D
Acq: 26 Jul 2022 16:03

Tgt Ion:113 Resp: 115384
Ion Ratio Lower Upper
113 100
111 102.7 83.2 124.8
192 17.9 14.8 22.2

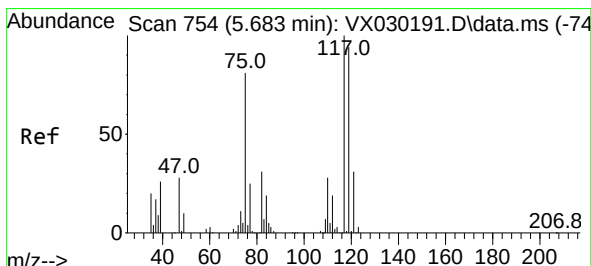
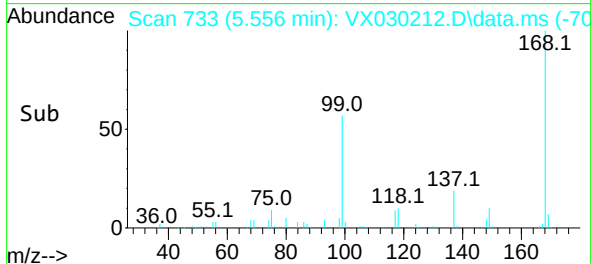
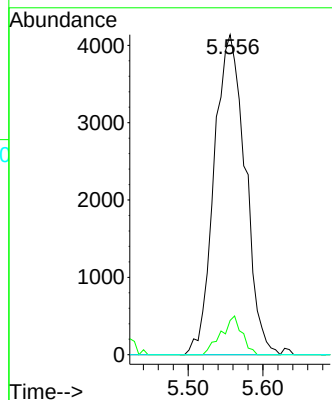
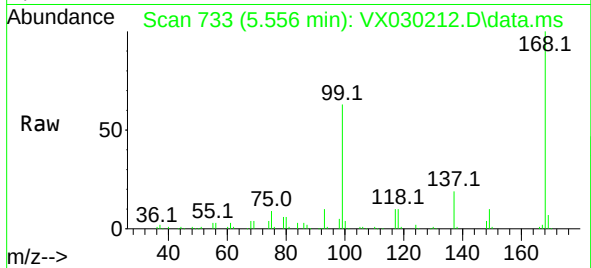




#36
1,1-Dichloropropene
Concen: 3.570 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.140 min
Lab File: VX030212.D
Acq: 26 Jul 2022 16:03

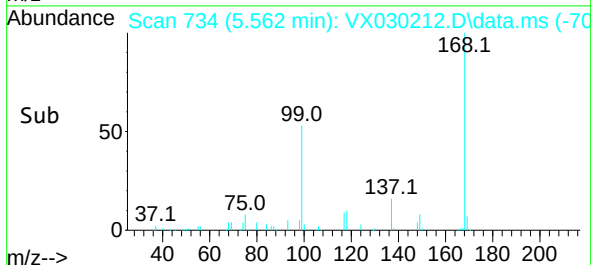
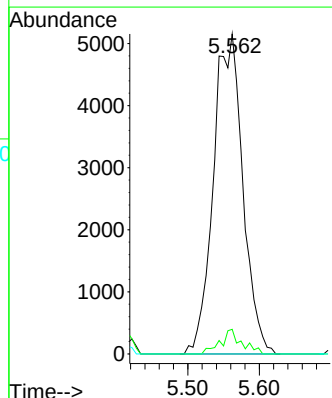
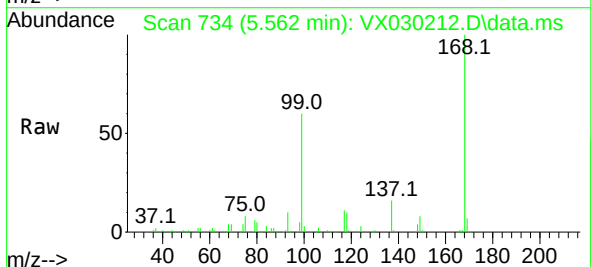
Instrument :
MSVOA_X
ClientSampleId :
EB-09-07212022

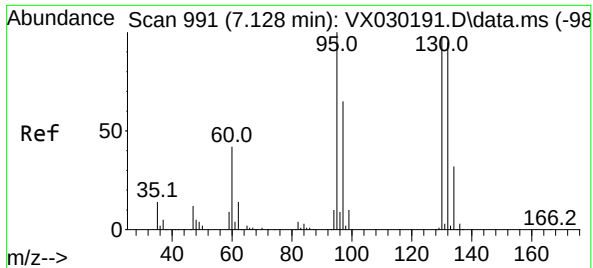
Tgt Ion: 75 Resp: 11945
Ion Ratio Lower Upper
75 100
110 8.1 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.708 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.121 min
Lab File: VX030212.D
Acq: 26 Jul 2022 16:03

Tgt Ion: 117 Resp: 14707
Ion Ratio Lower Upper
117 100
119 7.7 74.1 111.1#
121 0.0 25.8 38.8#

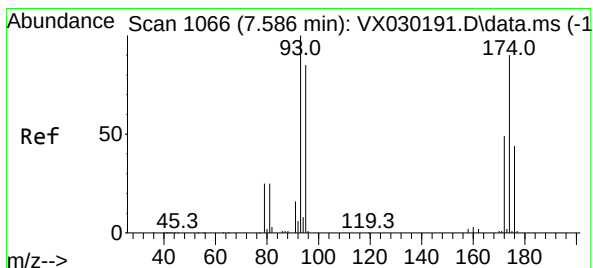
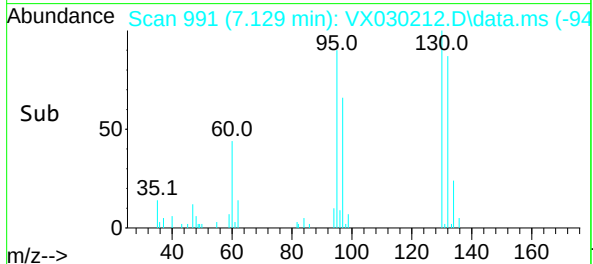
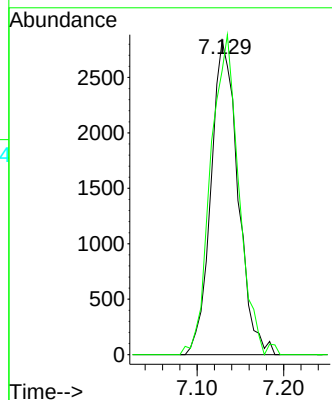
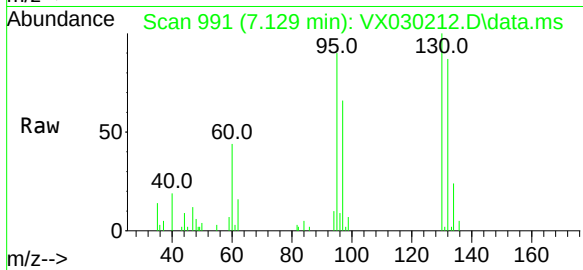




#44
Trichloroethene
Concen: 2.132 ug/l
RT: 7.129 min Scan# 94
Delta R.T. 0.001 min
Lab File: VX030212.D
Acq: 26 Jul 2022 16:03

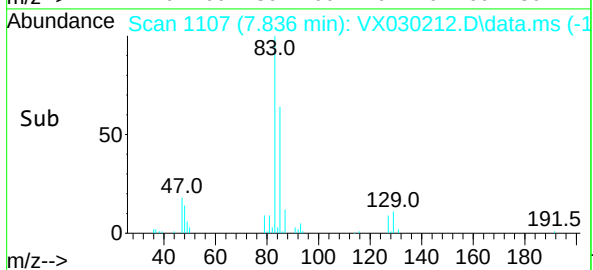
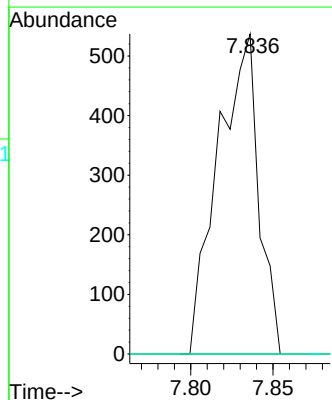
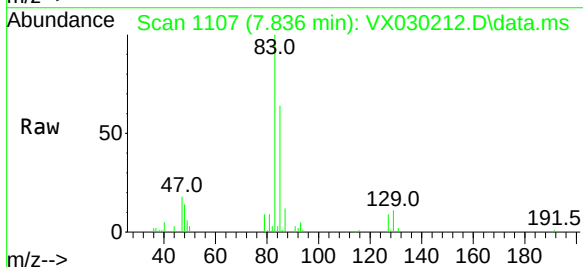
Instrument :
MSVOA_X
ClientSampleId :
EB-09-07212022

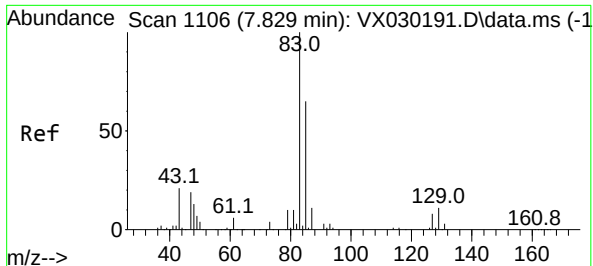
Tgt Ion:130 Resp: 6132
Ion Ratio Lower Upper
130 100
95 90.5 0.0 194.8



#46
Dibromomethane
Concen: 0.483 ug/l
RT: 7.836 min Scan# 1107
Delta R.T. 0.250 min
Lab File: VX030212.D
Acq: 26 Jul 2022 16:03

Tgt Ion: 93 Resp: 923
Ion Ratio Lower Upper
93 100
95 0.0 67.4 101.0#
174 0.0 75.6 113.4#





#47

Bromodichloromethane

Concen: 7.752 ug/l

RT: 7.830 min Scan# 1106

Delta R.T. 0.001 min

Lab File: VX030212.D

Acq: 26 Jul 2022 16:03

Instrument :

MSVOA_X

ClientSampleId :

EB-09-07212022

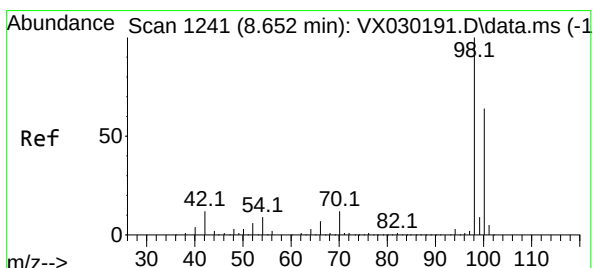
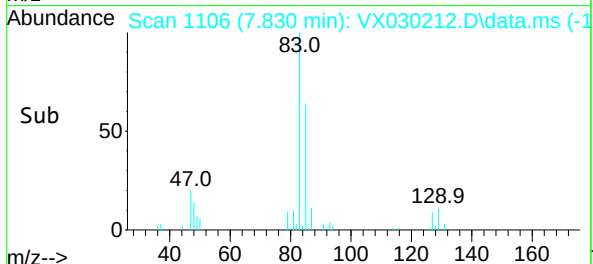
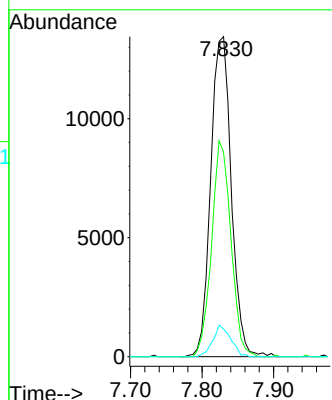
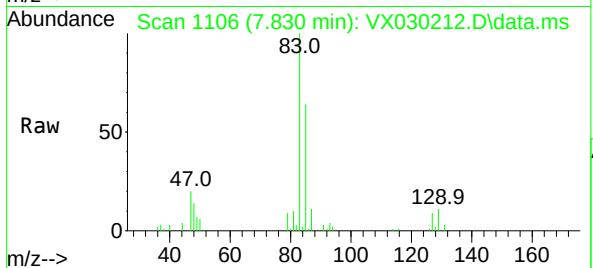
Tgt Ion: 83 Resp: 26911

Ion Ratio Lower Upper

83 100

85 63.9 53.5 80.3

127 8.7 6.6 10.0



#50

Toluene-d8

Concen: 48.461 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.001 min

Lab File: VX030212.D

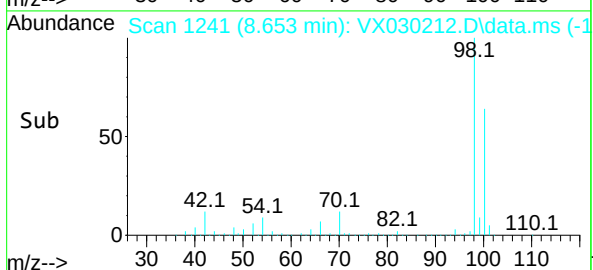
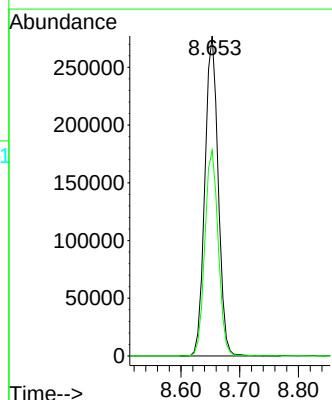
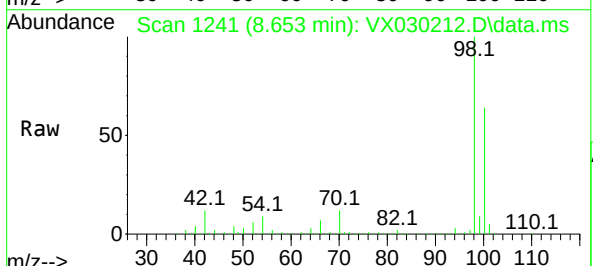
Acq: 26 Jul 2022 16:03

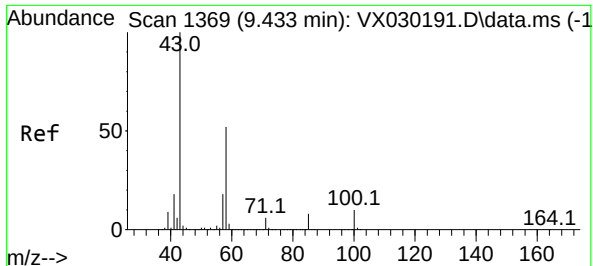
Tgt Ion: 98 Resp: 436386

Ion Ratio Lower Upper

98 100

100 64.8 52.3 78.5

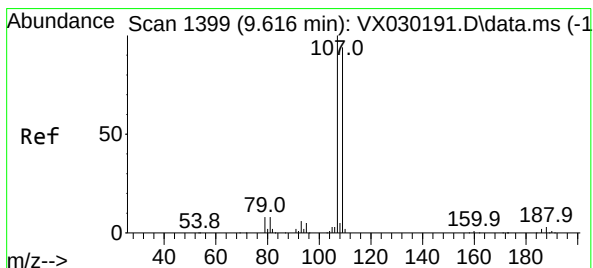
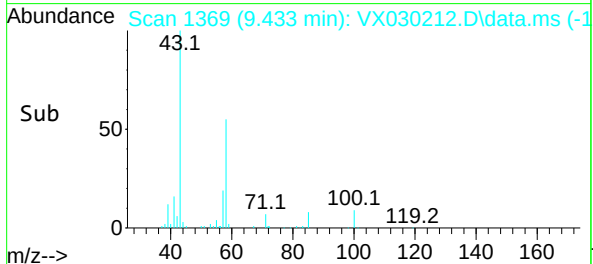
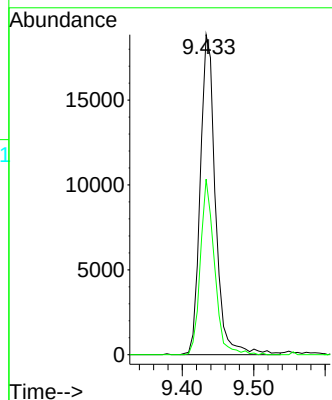
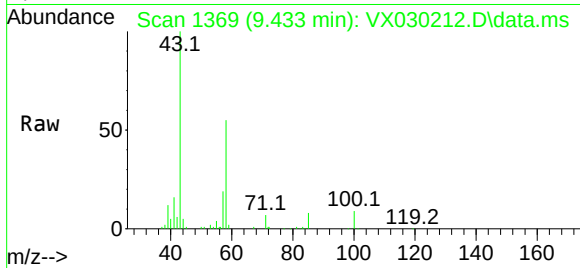




#59
2-Hexanone
Concen: 7.472 ug/l
RT: 9.433 min Scan# 1369
Delta R.T. 0.000 min
Lab File: VX030212.D
Acq: 26 Jul 2022 16:03

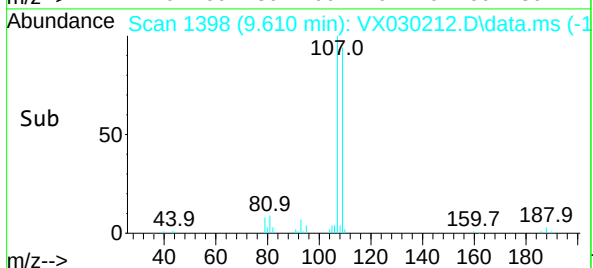
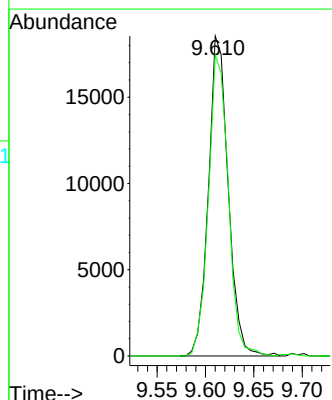
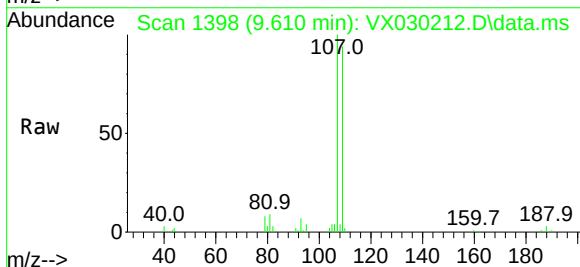
Instrument :
MSVOA_X
ClientSampleId :
EB-09-07212022

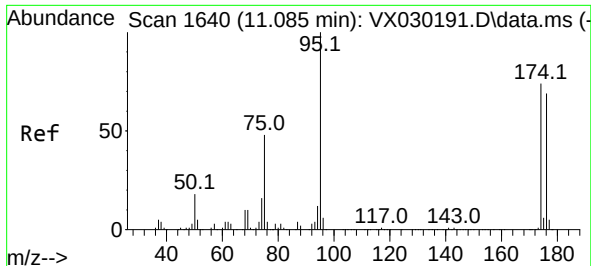
Tgt Ion: 43 Resp: 27801
Ion Ratio Lower Upper
43 100
58 51.0 27.6 82.8



#61
1,2-Dibromoethane
Concen: 9.257 ug/l
RT: 9.610 min Scan# 1398
Delta R.T. -0.006 min
Lab File: VX030212.D
Acq: 26 Jul 2022 16:03

Tgt Ion: 107 Resp: 26436
Ion Ratio Lower Upper
107 100
109 94.5 76.6 114.8

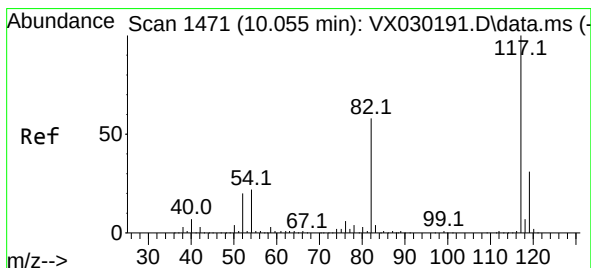
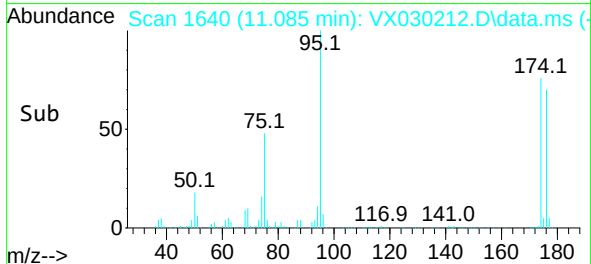
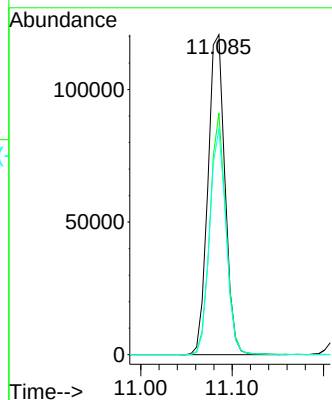
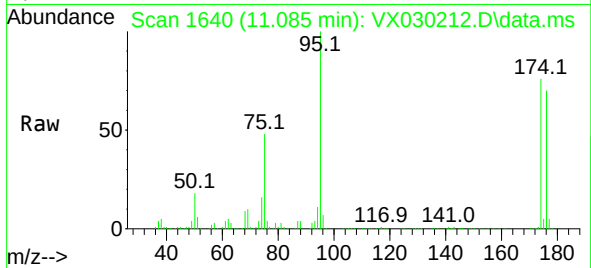




#62
4-Bromofluorobenzene
Concen: 46.603 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX030212.D
Acq: 26 Jul 2022 16:03

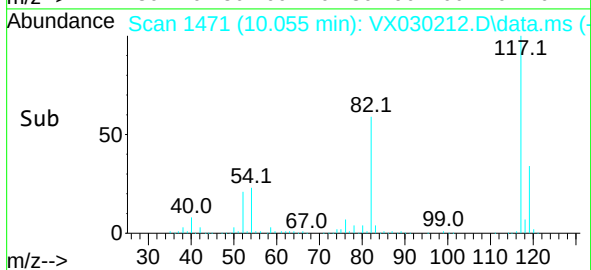
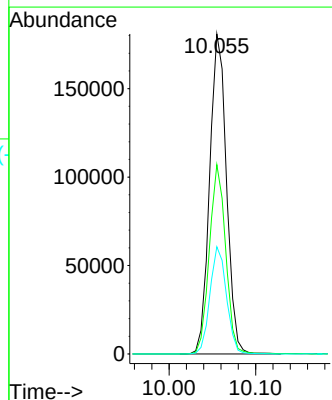
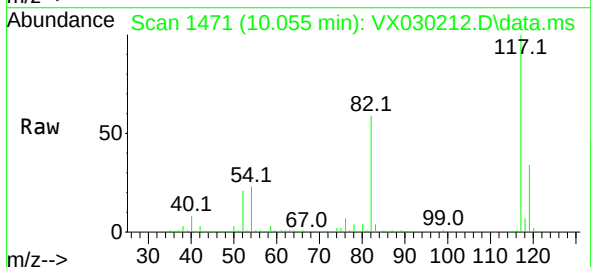
Instrument :
MSVOA_X
ClientSampleId :
EB-09-07212022

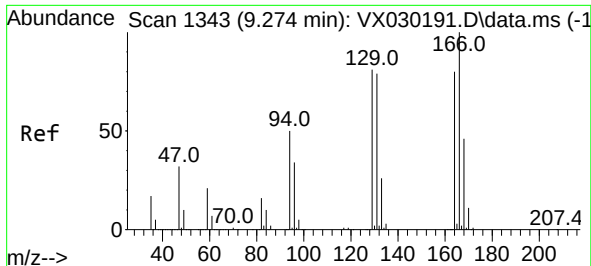
Tgt Ion: 95 Resp: 155745
Ion Ratio Lower Upper
95 100
174 71.2 0.0 149.0
176 67.9 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030212.D
Acq: 26 Jul 2022 16:03

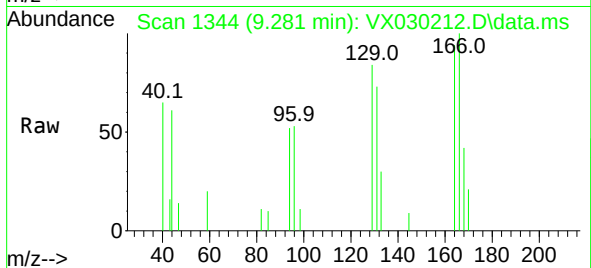
Tgt Ion: 117 Resp: 244217
Ion Ratio Lower Upper
117 100
82 59.2 42.7 64.1
119 33.5 25.4 38.2



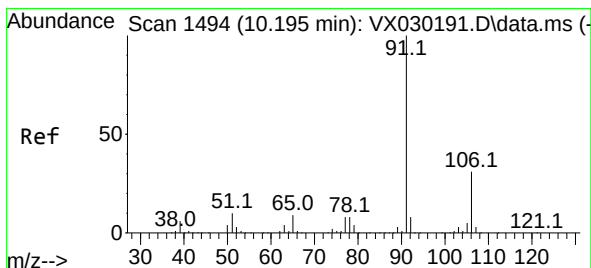
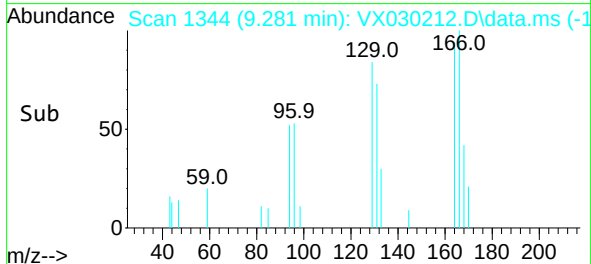
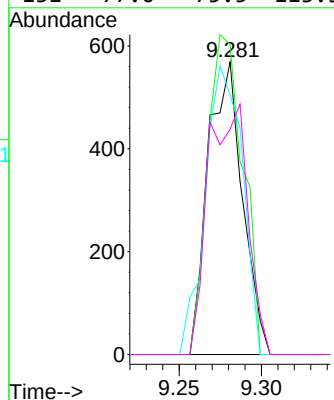


#64
Tetrachloroethene
Concen: 0.316 ug/l
RT: 9.281 min Scan# 11
Delta R.T. 0.007 min
Lab File: VX030212.D
Acq: 26 Jul 2022 16:03

Instrument :
MSVOA_X
ClientSampleId :
EB-09-07212022

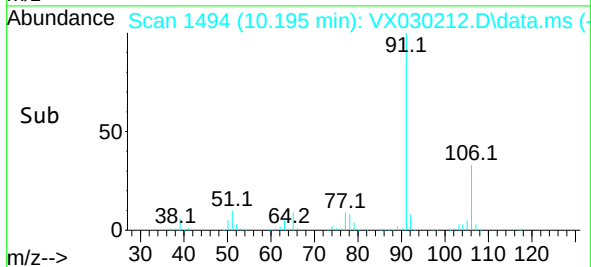
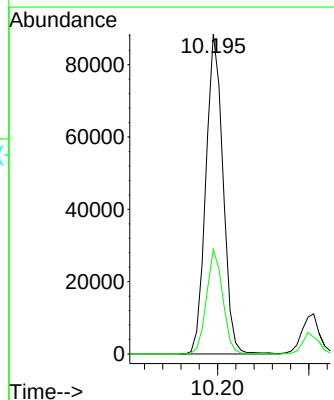
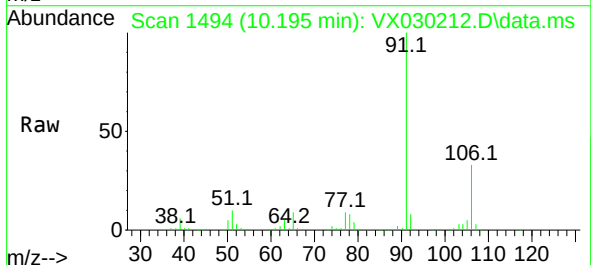


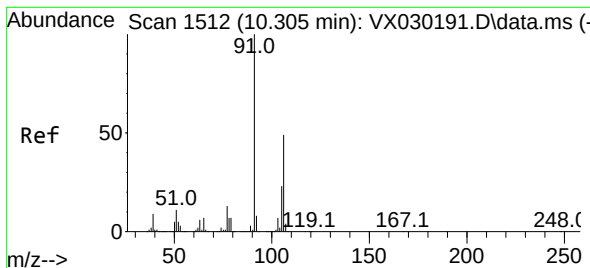
Tgt	Ion:164	Resp:	830
Ion	Ratio	Lower	Upper
164	100		
166	106.0	98.2	147.4
129	88.8	80.8	121.2
131	77.0	75.5	113.3



#67
Ethyl Benzene
Concen: 11.382 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX030212.D
Acq: 26 Jul 2022 16:03

Tgt Ion: 91	Resp: 114929
Ion Ratio	Lower Upper
91 100	
106 32.6	25.5 38.3

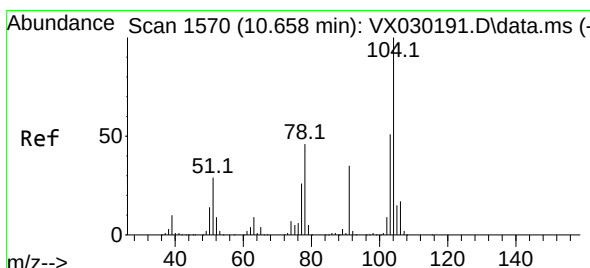
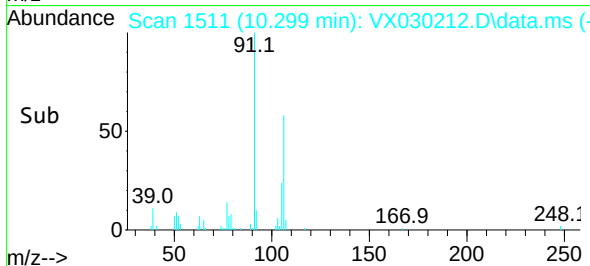
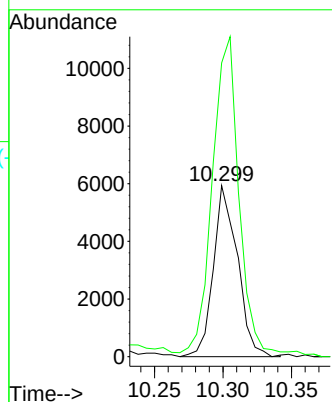
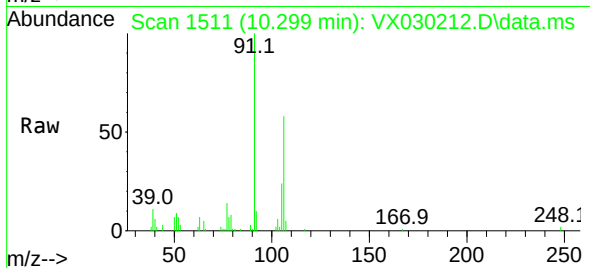




#68
m/p-Xylenes
Concen: 1.613 ug/l
RT: 10.299 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX030212.D
Acq: 26 Jul 2022 16:03

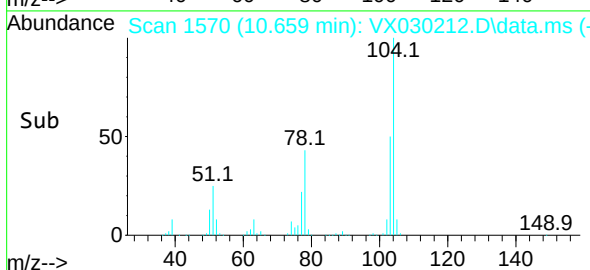
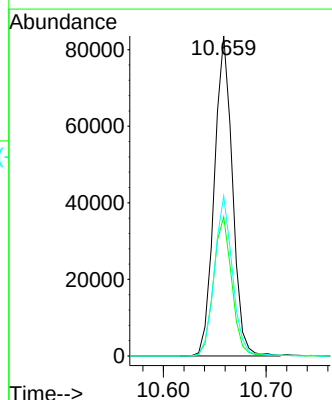
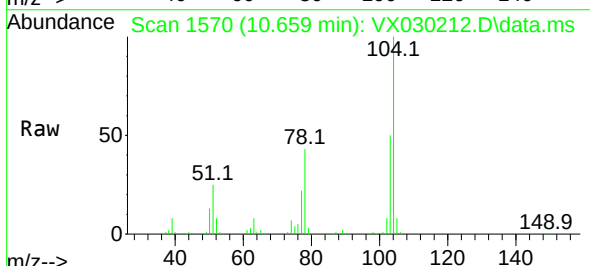
Instrument :
MSVOA_X
ClientSampleId :
EB-09-07212022

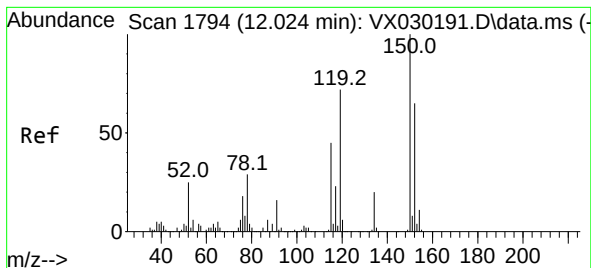
Tgt Ion:106 Resp: 7248
Ion Ratio Lower Upper
106 100
91 210.0 158.2 237.4



#70
Styrene
Concen: 14.060 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.001 min
Lab File: VX030212.D
Acq: 26 Jul 2022 16:03

Tgt Ion:104 Resp: 102316
Ion Ratio Lower Upper
104 100
78 43.9 37.8 56.8
103 49.6 44.5 66.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX030212.D

Acq: 26 Jul 2022 16:03

Instrument :

MSVOA_X

ClientSampleId :

EB-09-07212022

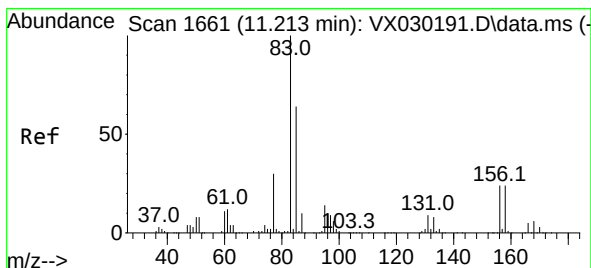
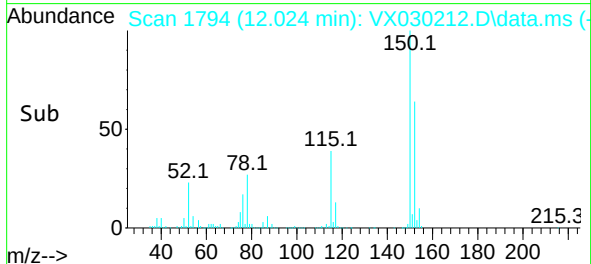
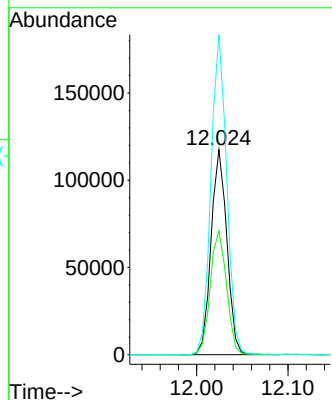
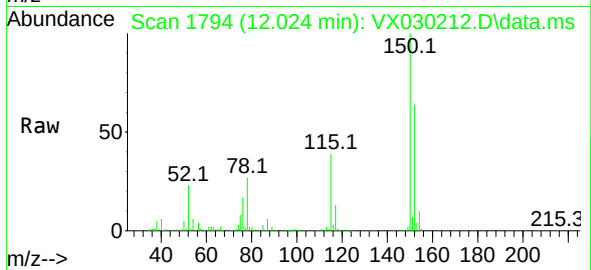
Tgt Ion:152 Resp: 140999

Ion Ratio Lower Upper

152 100

115 62.2 40.5 121.5

150 155.7 0.0 347.0



#75

1,1,2,2-Tetrachloroethane

Concen: 13.825 ug/l

RT: 11.213 min Scan# 1661

Delta R.T. 0.000 min

Lab File: VX030212.D

Acq: 26 Jul 2022 16:03

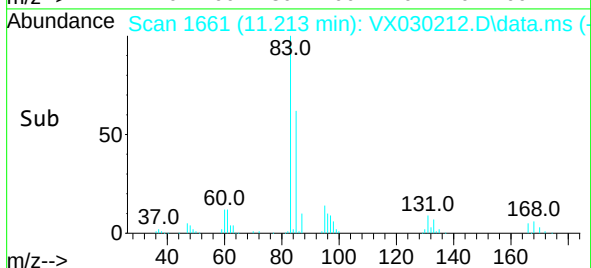
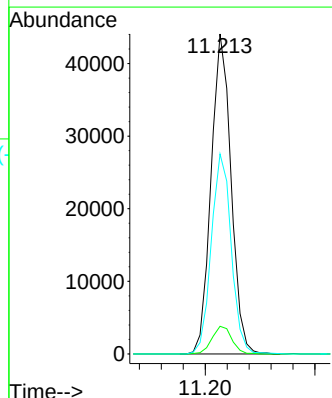
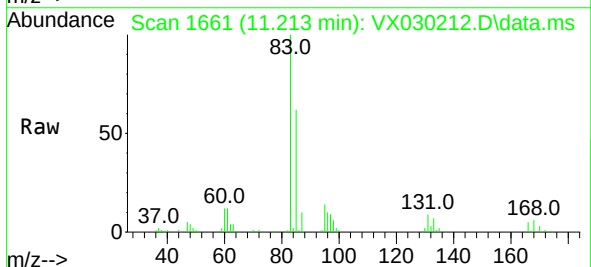
Tgt Ion: 83 Resp: 55700

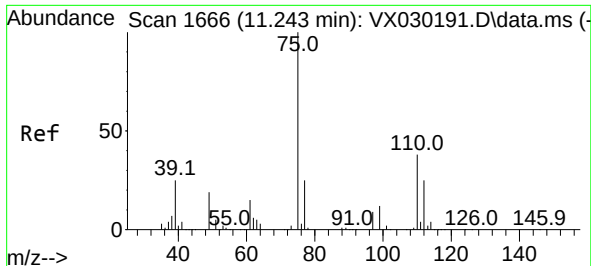
Ion Ratio Lower Upper

83 100

131 8.7 4.5 13.7

85 62.5 32.5 97.5

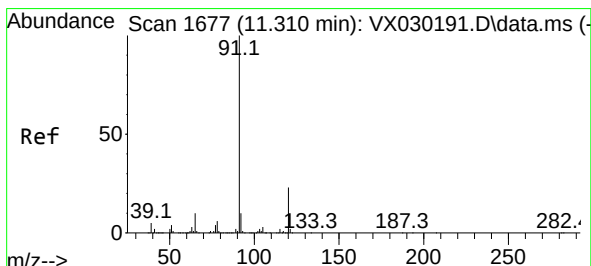
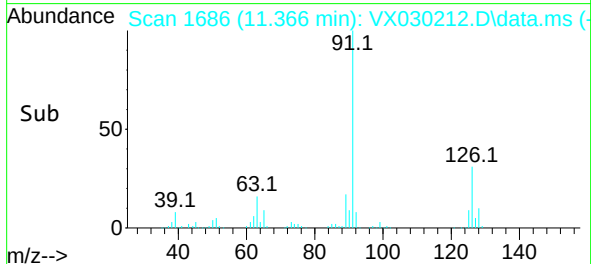
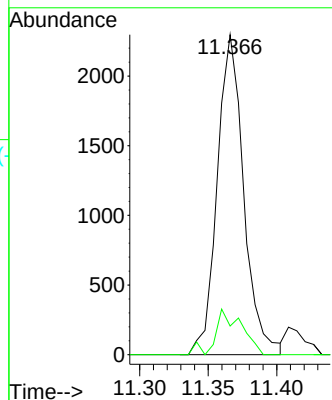
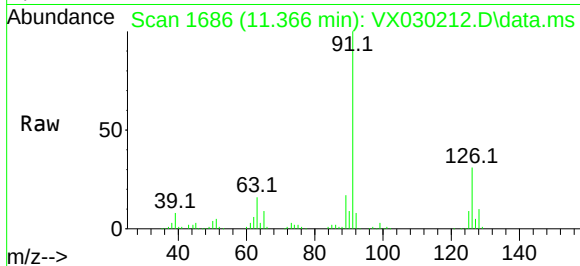




#76
1,2,3-Trichloropropane
Concen: 0.832 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.123 min
Lab File: VX030212.D
Acq: 26 Jul 2022 16:03

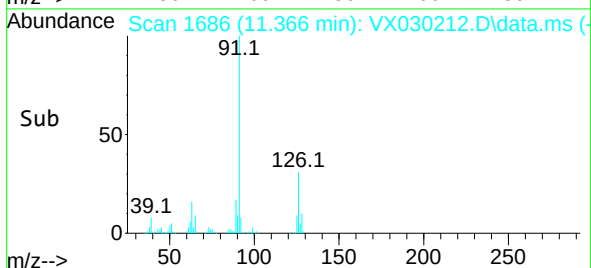
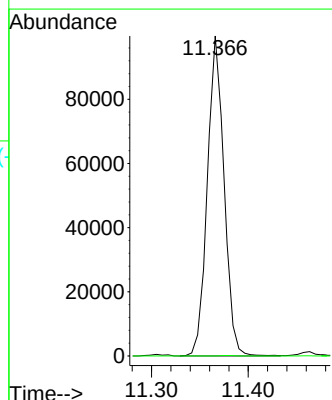
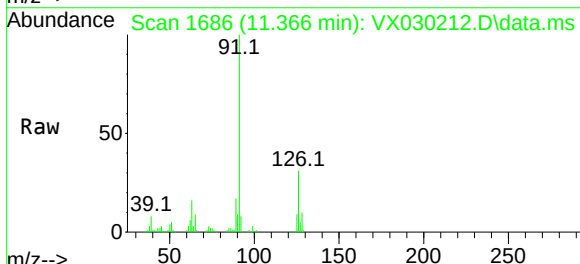
Instrument :
MSVOA_X
ClientSampleId :
EB-09-07212022

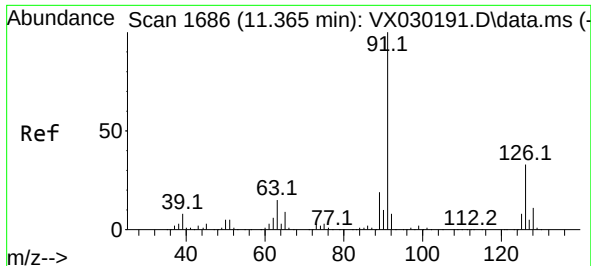
Tgt Ion: 75 Resp: 3092
Ion Ratio Lower Upper
75 100
77 14.2 19.8 59.3#



#78
n-propylbenzene
Concen: 9.118 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.056 min
Lab File: VX030212.D
Acq: 26 Jul 2022 16:03

Tgt Ion: 91 Resp: 119782
Ion Ratio Lower Upper
91 100
120 0.1 11.6 34.8#

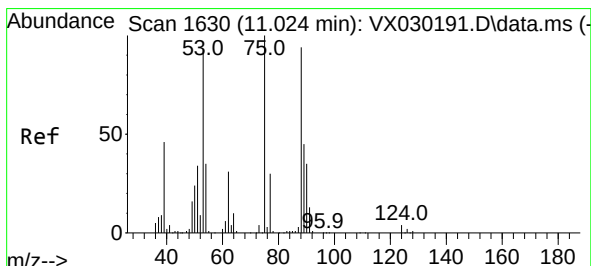
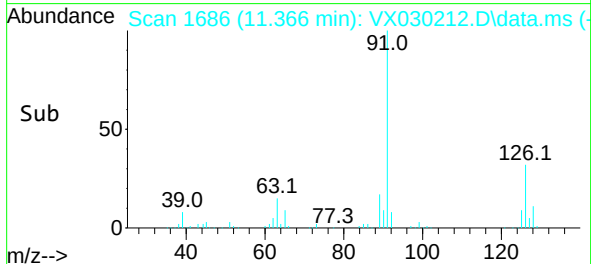
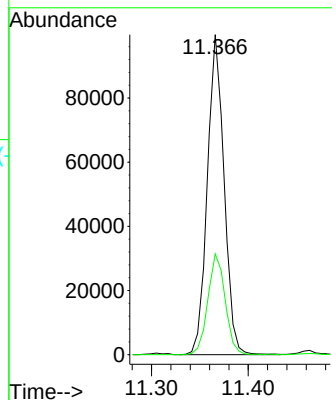
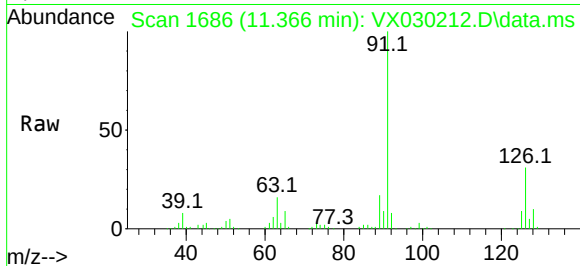




#79
2-Chlorotoluene
Concen: 14.438 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.001 min
Lab File: VX030212.D
Acq: 26 Jul 2022 16:03

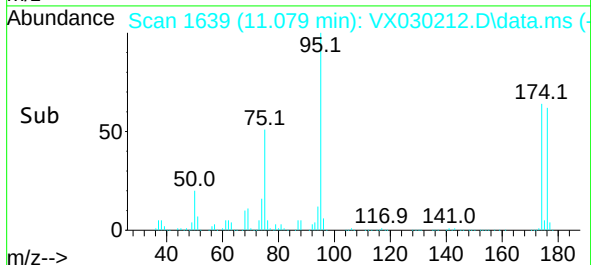
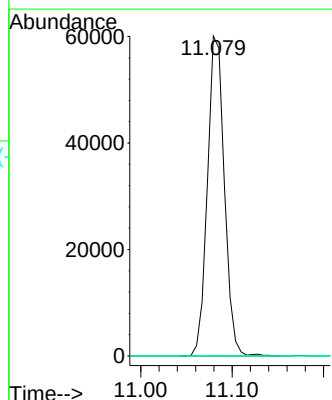
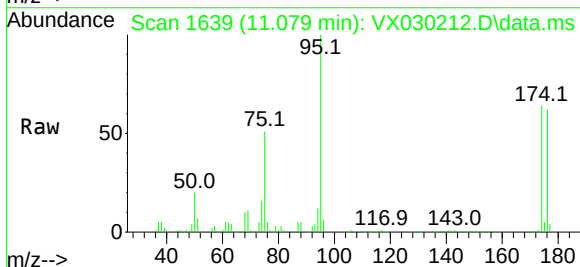
Instrument :
MSVOA_X
ClientSampleId :
EB-09-07212022

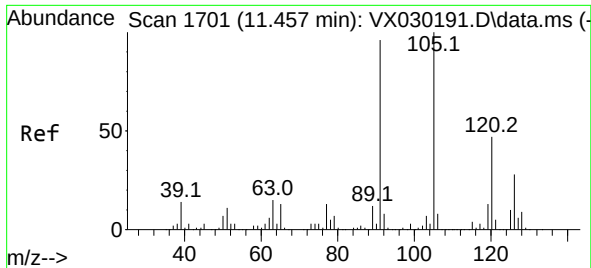
Tgt Ion: 91 Resp: 119782
Ion Ratio Lower Upper
91 100
126 32.5 17.4 52.3



#81
trans-1,4-Dichloro-2-butene
Concen: 62.322 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.055 min
Lab File: VX030212.D
Acq: 26 Jul 2022 16:03

Tgt Ion: 75 Resp: 77212
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.1 34.8 52.2#





#82
 4-Chlorotoluene
 Concen: 13.215 ug/l
 RT: 11.366 min Scan# 1
 Delta R.T. -0.091 min
 Lab File: VX030212.D
 Acq: 26 Jul 2022 16:03

Instrument :
 MSVOA_X
 ClientSampleId :
 EB-09-07212022

Tgt Ion: 91 Resp: 119782
 Ion Ratio Lower Upper
 91 100
 126 32.5 15.3 45.9

